

## RE50L



# Electro-Voice

- Ultimate news gathering microphone
- Extremely effective and unique handling noise isolation system
- Unsurpassed ruggedness and reliability in every environment
- Self generating, no battery or phantom power required
- Consistent response with distance, no muddy lows when used close to lips



The Electro-Voice RE50L is a specially shock-isolated, omnidirectional, dynamic microphone created for the most exacting professional applications. An advancement in shock-mounting techniques, it was designed particularly for handheld broadcast and sound reinforcement use. All handling noise, clothing noise, and even cord shock have been isolated from the microphone element so that mechanically induced noise is greatly reduced. By use of a high-mass zinc internal acoustic chamber, shock mounted within the machined-aluminum outercasing, the RE50L offers a degree of isolation unprecedented in omnidirectional dynamic microphones. The internal transducer uses a mechanical nesting concept all its own. Each part is nested inside another so that the transducer (head assembly) is nearly a solid structure. It is highly resistant to damage from shock.

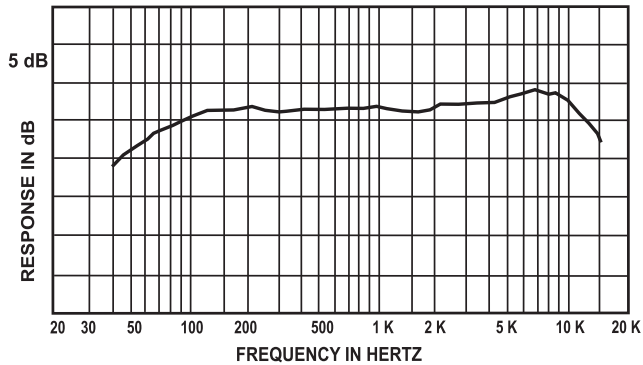
The diaphragm is unaffected by temperature extremes and atmospheric conditions. A carefully designed integral windscreen and blast filter provides excellent protection from wind noise, excessive sibilance and annoying “P-popping.” The RE50L has a grille that bounces back to retain its shape. A four-stage pop filter prevents dust and magnetic particles from reaching the diaphragm. The RE50L’s attractive, nonreflecting, semi-gloss black finish is ideal for on-camera use.

## Technical specifications

Generation Element:	Dynamic
Frequency Response:	80 Hz to 13,000 Hz (see chart)
Polar Pattern:	Omnidirectional
Impedance, Low-Z:	150 ohms
Sensitivity, Open Circuit Voltage, 1 kHz:	1.8mV/Pascal
Case Material:	Aluminum
Finish:	Semi-Gloss Black
Included Accessories:	Stand Adapter (Black)
Dimensions:	Length = 242 mm (9.52 in) Max. Diameter = 48 mm (1.90 in) Shank Diameter = 26 mm (1.02 in)
Net Weight:	306 grams (10.9 oz)
Shipping Weight:	553 grams (19.5 oz)

## System overview

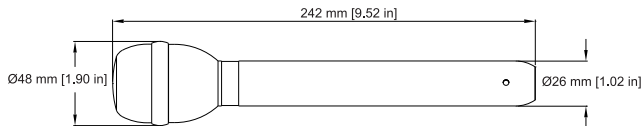
### Frequency Response:



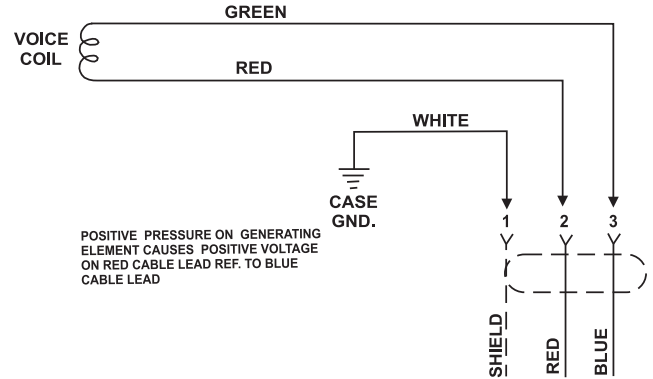
### Architects' and Engineers' Specifications:

The microphone shall be an omnidirectional, dynamic type with broadcast range response from 80-13,000 Hz. It shall employ a high-mass zinc acoustic chamber, integral with the head assembly that shall be shock isolated within an external aluminum case. It shall have a four-stage pop filter to prevent dust and magnetic particles from reaching the diaphragm. Nominal impedance shall be 150 ohms (such that it will match 50-150, and 250-ohms inputs). The line shall be balanced to ground and phased. Output level shall be 1.8mV/pascal. The magnetic circuit shall be a nonwelded circuit and employ Alnico V and magnetic iron. The inner case shall be made of zinc and the outer case of machined aluminum. The microphone shall have a maximum diameter of 48 mm (1.90 in) and a length of 242 mm (9.52 in). Shank diameter shall be 26 mm (1.02 in). Weight shall be 306 grams (10.9 oz). Finish shall be semi-gloss black. The microphone shall have a built-in connector similar or equivalent to the Switchcraft A3M. The Electro-Voice RE50L is specified.

### Dimensions:



### Wiring Diagram:



## Ordering information

### RE50L

Long handled RE50 interview mic, black  
Order number **RE50L**

### Accessories

#### 376

Windscreen pop filter for RE16, RE50, N/D967, 767a, 367s, 267a, RE410 and RE510, gray  
Order number **376**

#### 379-1

Windscreen pop filter for RE16, RE50, N/D967, 767a, 367s, 267a, RE410 and RE510, black  
Order number **379-1**

#### 379-2

Windscreen pop filter for RE16, RE50, N/D967, 767a, 367s, 267a, RE410 and RE510, red  
Order number **379-2**

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